

# APPENDIX B

## ACRONYMS AND ABBREVIATIONS

AASERT	Augmentation Awards for Science and Engineering Research Training (Army)
ABFM	Airborne Field Mill (NASA)
ABCS	Army Battle Command System (Army)
ABL	Airborne Laser (AF)
AC	Active Component (DOD)
ACARS	ARINC Communication Addressing and Reporting System
ACE	Aviation Combat Element (USMC)
ACP	Atmospheric Chemistry Program (DOE)
ACU	Acquisition Control Unit
ADAS	AWOS/ASOS Data Acquisition System (FAA)
ADDs	Aviation Digital Data Service (FAA)
ADEOS	Advanced Earth Observing System (Japan)
ADLP	Aeronautical Data Link Program (FAA)
ADWS	Automatic Digital Weather Switch (AF)
AESS	Allied Environmental Support System (Navy)
AF	Air Force (USAF)
AFB	Air Force Base
AFCCC	Air Force Combat Climatology Center
AFCWC	Air Force Global Combat Weather Center
AFJI	Air Force Joint Instruction
AFOS	Automation of Field Operations and Services (NOAA/NWS)
AFW	Air Force Weather
AFWA	Air Force Weather Agency
AHPS	Advanced Hydrologic Prediction System (NOAA/NWS)
AGFS	Aviation Gridded Forecast System (FAA)
AIP	Airport Improvement Program (FAA)
AIRMoN	Atmospheric Integrated Research Monitoring Network (NOAA/OAR)
AIRS	Atmospheric Infrared Sounder (NASA)
AL	Aeronomy Laboratory (NOAA/ERL)
ALDARS	Automated Lightning Detection and Reporting System (FAA)
AMC	Army Matériel Command (Army)
AMDAR	Automatic Meteorological Data and Reporting
AMOS	Automated Meteorological Observing System (Navy)
AMSU	Advanced Microwave Sounding Unit
AMU	Applied Meteorology Unit (NASA)
ANG	Air National Guard
AOC	Aircraft Operations Center (NOAA)
AOML	Atlantic Oceanographic and Meteorological Laboratory (NOAA/ERL)
AOPA	Aircraft Owners and Pilots Association
AOT	Aerosol Optical Thickness
APT	Automatic Picture Transmission
AR	Army Regulation
ARAC	Atmospheric Release Advisory Capability (DOE)
ARG	Accident Response Group (DOE)
ARGOS	French Satellite Data Collection System
ARINC	Aeronautical Radio Incorporated
ARL	Army Research Laboratory (Army)
	Air Resources Laboratory (NOAA)
ARM	Atmospheric Radiation Monitoring (DOE)
ARNG	Army National Guard
ARO	Army Research Office
ARS	Agricultural Research Service (USDA)
ARSPACE	Army Space Command
ARSR	Air Route Surveillance Radar (FAA)

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ARTCC	Air Route Traffic Control Center (FAA)
ARTYMET	Artillery Meteorological (Army)
ASD	Atmospheric Sciences Division (DOE)
ASDAR	Aircraft to Satellite Data Relay
ASOS	Automated Surface Observing System
ASR	Airport Surveillance Radar (FAA)
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
ATC	Air Traffic Control (FAA)
ATCCS	Army Tactical Command and Control System
ATDD	Atmospheric Turbulence and Diffusion Division (NOAA/ARL)
AVHRR	Advanced Very High Resolution Radiometer (NOAA)
AVO	Alaskan Volcano Observatory (DOI/USGS)
AWARDS	Agricultural Water Resources Decision Support (DOI/BUREC)
AWC	Aviation Weather Center (NOAA/NCEP)
AWDS	Automated Weather Distribution System (AF)
AWIPS	Advanced Weather Interactive Processing Systems (NOAA)
AWIS	Automated Weather Information Systems
AWN	Automated Weather Network (AF)
AWOS	Automated Weather Observing System (FAA)
AWR	Aviation Weather Research (FAA)
BBS	Bulletin Board System
BE	Battlefield Environment (Army)
BED	Battlefield Environment Directorate (Army)
BLM	Bureau of Land Management (DOI)
BNL	Brookhaven National Laboratory (DOE)
BUFR	Binary Universal Form for the Representation of Meteorological Data
BUREC	Bureau of Reclamation (DOI)
C2	Command and control (DOD)
C4I	Command, Control, Communications, Computer and Information (DOD)
CAAM	Computer Assisted Artillery Meteorology (Army)
CAP	Civil Air Patrol
CAPARS	Computer-Assisted Protective Action Recommendation System (DOE)
CARDS	Comprehensive Aerological Reference Data Set (NOAA/NCDC)
CAWIS	Committee for Automated Weather Information Systems (OFCM)
CDA	Command and Data Acquisition
CDAS	Command and Data Acquisition Station
CDFS	Cloud Depiction and Forecast System (AF)
CECOM	Communications and Electronics Command (Army)
CEMSCS	Central Environmental Satellite Computer System (NOAA/NESDIS)
CENR	Committee on Environment and Natural Resources
CERES	Clouds and Earth's Radiant Energy System (NASA)
CFEP	Communications Front-End Processor (AF)
CHAMMP	Computer Hardware Advanced Mathematics and Model Physics (DOE)
CIDE	Communications Interfaces and Data Exchange (OFCM)
CINC	Commanders-in-Chief (DOD)
CMFC	Coordinating METOC Forecast Center (Navy)
COADS	Comprehensive Ocean-Atmosphere Data Set (NOAA/NCDC)
COAMPS	Coupled Oceanographic and Atmospheric Model (Navy)
COARE	Coupled Ocean-Atmosphere Response Experiment
COE	Corps of Engineers (Army)
COMEDS	CONUS Meteorological Data System (AF)
COMET	Cooperative Program for Operational Meteorology, Education and Training
CONUS	Continental United States
COPC	Committee for Operational Processing Centers (OFCM)
COTS	Commercial Off-the-Shelf
CPC	Climate Prediction Center (NOAA/NCEP)

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CRADA	Cooperative Research and Development Agreement
CRREL	Cold Regions Research and Engineering Laboratory (Army)
CS	Climate Services (OFCM)
CSREES	Cooperative State Research, Education, and Extensive Service (USDA)
CSSM	Cloud Scene Simulation Model (AF)
CTB	Comprehensive Test Ban (DOE)
CTWFC	CINC Target Weather Forecast Center (AF)
CWSU	Center Weather Service Unit (FAA)
CY	Calendar Year
DCO	Data Collection Office (NOAA/NWS)
DCP	Data Collection Package
DCS	Data Collection System (NOAA/NESDIS)
DDN	Defense Data Network
DF	direction finder
DISS	Digital Ionospheric Sounding System (AF)
DLP	Data Link Processor (FAA)
DMCC	DOE Meteorological Coordinating Council
DMSO	Defense Modeling and Simulation Office (AF)
DMSP	Defense Meteorological Satellite Program (AF)
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOMSAT	Domestic Communications Satellite
DOS	Department of State
DOT	Department of Transportation
DPS	Distributed Processing System (Navy)
DRGS	Direct readout ground stations (DOI)
DURIP	Defense University Research Instrumentation Program (Army)
DRWP	Doppler Radar Wind Profiler (NASA)
DTSS	Digital Topographic Support System (Army)
DUAT	Direct User Access Terminal (FAA)
EDIS	Environmental Data and Information Service (NOAA)
EMC	Environmental Modeling Center (NOAA/NCEP)
ENSO	El Niño-Southern Oscillation
EO	electro-optical
EOS	Earth Observing System (NASA)
EOSDIS	EOS Data and Information System (NASA)
EOTDA	electro-optical tactical decision aid (AF)
EPA	Environmental Protection Agency
EPD	Environmental Protection Division (DOE)
ERBS	Earth Radiation Budget Satellite (NASA)
ERC	Extended Research Checkout
ERL	Environmental Research Laboratories (NOAA)
ESD/IPC	Environmental Satellite Distribution/Interactive Processing Center (NOAA/NESDIS)
ESSP	Earth System Science Pathfinders (NASA)
ETL	Environmental Technology Laboratory (NOAA/ERL)
ETTP	East Tennessee Technology Park (DOE)
ETM+	Enhanced Thematic Mapper Plus (NASA)
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUSA	Eighth U.S. Army
EUV	Extreme Ultraviolet
EXCIMS	Executive Council for Modeling and Simulation (DOD)

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FAA	Federal Aviation Administration
FALOP	Forward Areal Limited Observing Program (AF)
FCMSSR	Federal Committee for Meteorological Services and Supporting Research
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIS	Flight Information Services (FAA)
FLENUMMETOCCEN	Fleet Meteorology and Oceanography Center, Monterey, California
FM	Field Manual (Army)
FMF	Fleet Marine Force
FMH	Federal Meteorological Handbook (OFCM)
FNMOC	Fleet Numerical Meteorology and Oceanography Center (Navy)
FOA	Field operating agency (AF)
FOSDIC	Film Optical Sensing Device for Input to Computer
FORSCOM	U.S. Army Forces Command
FRD	Field Research Division (NOAA/ARL)
FRERP	Federal Radiological Emergency Response Plan (DOE)
FRMAC	Federal Radiological Monitoring and Assessment Center (DOE)
FS	Forest Service (USDA)
FSL	Forecast Systems Laboratory (NOAA/ERL)
FTE	Full-time Equivalent
FTP	File Transfer Protocol
FU	Forecast Unit
FY	fiscal year
G-IV	Gulfstream IV (NOAA)
GAC	Global Area Coverage
GAO	General Accounting Office
GCCS	Global Command and Control System (DOD)
GCIP	GEWEX Continental-scale International Project (DOI)
GCOS	Global Climate Observing System
GCPS	Global Climate Perspectives System
GCRP	Global Change Research Program
GDPS	Global Data Processing System (WWP)
GEOSAR	Geostationary Earth Orbit Search and Rescue (NOAA/NESDIS)
GEWEX	Global Energy and Water-Balance Experiment
GFDL	Geophysical Fluid Dynamics Laboratory (NOAA/ERL)
GF MPL	Geophysical Fleet Mission Program Library (Navy)
GHCN	Global Historical Climatology Network
GIN	Geomagnetic Information Nodes (DOI)
GIS	Geographic Information System
GLONASS	Global Navigation Satellite System
GMS	Geostationary Meteorological Satellite (Japan)
GMSRA	GOES Multi-Spectral Rainfall Algorithms (NESDIS)
GODAR	Global Oceanographic Data Archaeology and Rescue
GOES	Geostationary Operational Environmental Satellite (NOAA)
GOS	Global Observing System (WWP)
GPCP	Global Precipitation Climatology Program
GPS	Global Positioning System
GPS/MET	GPS for Meteorology
GRIB	Gridded Binary (FM 92-X Ext.)
GSFC	Goddard Space Flight Center (NASA)
GTS	Global Telecommunications System (WWP)
GTSP	Global Temperature-Salinity Pilot Project
GTWAPS	Global Theater Weather Analysis and Prediction System (AF)
HDSS	Hierarchical Data Storage System
HELSTF	High Energy Laser System Test Facility (Army)

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HF	high frequency
HFRB	high frequency radio broadcast (DOD)
HPC	Hydrometeorological Prediction Center (NOAA/NCEP)
HPCC	High Performance Computing and Communications
HRD	Hurricane Research Division (NOAA/ERL)
HRPT	High Resolution Picture Transmission (NOAA/NESDIS)
HUD	Head-up display (NASA)
IAMS	Initial Attack Management System (DOI)
ICAO	International Civil Aviation Organization
ICMSSR	Interdepartmental Committee for Meteorological Services and Supporting Research
ICSU	International Council of Scientific Unions
IEW	Intelligence and Electronic Warfare (Army)
IFFA	Interactive Flash Flood Analyzer (NOAA/NESDIS)
IFM	Ionospheric Forecast Model (AF)
IHC	Interdepartmental Hurricane Conference (OFCM)
IIP	International Ice Patrol (USCG)
IMDES	Interdepartmental Meteorological Data Exchange System
IMETS	Integrated Meteorological System (Army)
IMOSS	Interim Mobile Oceanography Support System (Navy)
IMS	Ionospheric Measuring System (AF)
INEEL	Idaho National Engineering and Environmental Laboratory (DOE)
INSAT	India's Indian National Satellite (WWP)
IPCC	Intergovernmental Panel on Climate Change (WWP)
IPO	Integrated Program Office
IR	infrared
IRTSS	Infrared Target Scene Simulation Software (AF)
ISCCP	International Satellite Cloud Climatology Program
ISIS	Integrated Solar Irradiance Study (NOAA/OAR)
ITCZ	Inter-tropical convergence zone
ITS	Intelligent Transportation System (FHWA)
ITWS	Integrated Terminal Weather System (FAA)
IWEDA	Integrated Weather Effects Decision Aid (Army)
IWRS	Improved Weather Reconnaissance System
IWRPC	Improved Weather Reconnaissance System Program Council
J-TRWS	Joint TESS Remote Workstation (Navy)
JAG	Joint Action Group
JASL	Joint Archive for Sea Level
JAWOP	Joint Automated Weather Observation Program (OFCM)
JCRMOD	Joint Center for Research in the Management of Ocean Data
JEDA	Joint Environmental Data Analysis
JGOFS	Joint Global Ocean Flux Study
JMCIS	Joint Maritime Command Information system (USMC)
JMFU	Joint METOC Forecast Unit
JMOC	Joint METOC Operations Center
JMS	Joint METOC Segment (Navy)
JMV	Joint METOC Viewer (Navy)
JPL	Joint Propulsion Laboratory (NASA)
JTWC	Joint Typhoon Warning Center (AF/Navy)
KM	Kilometer
KMR	Kwajalein Missile Range (Army)
KSC	Kennedy Space Center
LAC	Local Area Coverage
LAN	local area network

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LANL	Los Alamos National Library (DOE)
LAPS	Local Analysis and Prediction System (NOAA/FSL)
LCD	Local Climatological Data
LCM	life-cycle management
LDAR	Lightning Detection and Ranging (NASA)
LLNL	Lawrence Livermore National Laboratory (DOE)
LLWAS	Low Level Wind Shear Alert System (FAA)
LLWAS-NE	LLWAS-Network Expansion (FAA)
LLWAS-RS	LLWAS-Relocation/Sustainment (FAA)
LRGS	local readout ground stations (DOI)
MACOM	Major Army Command
MAGTF	Marine Air Ground Task Force
MAJCOM	Major Command (AF)
MC	Meteorological Codes
MCSST	Multichannel Sea Surface Temperature (Navy)
MDCRS	Meteorological Data Communications and Reporting System (WWP)
MDS	Meteorological Distribution System (Army)
MEPED	Medium Energy Proton and Electron Detector (NOAA/NESDIS)
MES	Marine Environmental Services (OFCM)
MET	Mobile Environmental Teams (Navy)
	Meteorological Teams (Army)
METAR	Aviation Routine Weather Report
METMF(R)	Meteorological Mobile Facility (Replacement) (Navy)
METOC	Meteorological and Oceanographic (DOD)
MHG	Meteorological Hydrogen Generator (Army)
MIDDS	METOC Integrated Data Display System (Navy)
MIMR	Multifrequency Imaging Microwave Radiometer (NASA)
MIMS	Multimedia Integrated Modeling System (EPA)
MISR	Multi-Angle Imaging Spectrometer (NASA)
MME	Mobile Meteorological Equipment (OFCM)
MMS	Meteorological Measuring System (Army)
	Mineral Management Service (DOI)
MMW	Millimeter Wave (Army)
MOA	Memorandum of Agreement
MODIS	Moderate Resolution Imaging Spectrometer (NASA)
MOPITT	Measurements of Pollution in the Troposphere (NASA)
MOS	Manual Observing System (AF)
MOSS	Mobile Oceanography Support System (Navy)
MPC	Marine Prediction Center (NOAA/NCEP)
MRS	Miniature Rawinsonde System (Navy)
MS	Monitoring the Stratosphere (OFCM)
MSCP	Meteorological and Climate Services Project (DOE)
MSL	mean sea level
MSM	Magnetospheric Specification Model (AF)
MST	Meteorological Support Teams (USMC)
MSU	Microwave Sounding Unit (NOAA/NESDIS)
MTF	Model test facility (NOAA/NCEP)
MTN	Main Telecommunications Network (WWP)
MTPE	Mission to Planet Earth (NASA)
MWP	Meteorologist's Weather Processor (FAA)
MWSS	Marine Wing Support Squadron
NADIN	National Airspace Data Interchange Network (FAA)
NAOS	North American Atmospheric Observing System (NOAA)
NARSTO	North American Research Strategy on Tropospheric Ozone (EPA)
NAS	National Airspace System (FAA)

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NASA	National Aeronautics and Space Administration
NASS	National Agricultural Statistics Service (USDA)
NATCOM	National Communications Center (FAA)
NAVAID	Navigational Aid
NAVEURMETOCCEN	Naval European Meteorology and Oceanography Center, Rota, Spain
NAVICECEN	Naval Ice Center
NAVOCEANO	Naval Oceanographic Office
NAVLANTMETOCCEN	Naval Atlantic Meteorology and Oceanography Center, Norfolk, Virginia
NAVPACMETOCCEN	Naval Pacific Meteorology and Oceanography Center, Pearl Harbor, Hawaii
NAWPC	National Aviation Weather Program Council (OFCM)
NBC	Nuclear, Biological, and Chemical (DOD)
NC	NOAA Corps Operations
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center (NOAA/NESDIS)
NCEP	National Center for Environmental Prediction (NOAA/NWS)
NCO	NCEP Central Operations (NOAA/NCEP)
	Non-commissioned officer (DOD)
NDBC	National Data Buoy Center (NOAA/NWS)
NDI	non-developmental item
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NESS	National Environmental Satellite Service (NOAA)
NEST	Nuclear Emergency Search Team (DOE)
NEXRAD	Next Generation Weather Radar (WSR-88D)
NFDRS	National Fire Danger Rating System (DOI/BLM)
NGDC	National Geophysical Data Center (NOAA/NESDIS)
NGIC	National Geomagnetic Information Center (DOI)
NHC	National Hurricane Center (NOAA/NWS)
NHOP	National Hurricane Operations Plan (OFCM)
NIC	National Ice Center (DOT/USCG)
NIFC	National Interagency Fire Center (DOI)
NIST	National Institute of Standards and Technology (DOC)
NITES	Naval Integrated Tactical Environmental Subsystem
NMC	National Meteorological Center(s) (WWP)
NMOC	Naval Meteorology and Oceanography Command
NMTN	National Telecommunications Network (WWP)
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanographic Data Center (NOAA/NESDIS)
NODDS	Naval Oceanographic Data Distribution System
NOGAPS	Navy Operational Global Atmospheric Prediction System
NOHRSC	National Operational Hydrological Remote Sensing Center (DOI)
NORAPS	Navy Operational Regional Atmospheric Prediction System
NOS	National Ocean Service (NOAA)
NOWS	NVG Operations Weather Software (AF)
NPL	NOAAPORT Liaison (OFCM)
NPN	NOAA Profiler Network
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPS	National Park Service (DOI)
NRC	Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service (USDA)
NRL	Naval Research Laboratory
NSCAT	NASA Scatterometer (NASA)
NSF	National Science Foundation
NSIDC	National Snow and Ice Data Center
NSSL	National Severe Storms Laboratory (NOAA)
NSTC	National Science and Technology Council
NSWP	National Space Weather Program (OFCM)
NTS	Nevada Test Site (DOE)

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NTSB	National Transportation Safety Board
NV	Nevada Operations Office (DOE)
NVDS	NOAA Virtual Data System
NVG	night vision goggle (DOD)
NWLON	National Water-Level Observation Network (NOAA/NOS)
NWS	National Weather Service
OAML	Oceanographic and Atmospheric Master Library (Navy)
OAR	Office of Oceanic and Atmospheric Research (NOAA)
OASIS	Oceanographic and Atmospheric Support and Information System (Navy)
OCAP	Operational and Supportability Implementation System (FAA)
ODCSINT	Operating Consortium of ASDAR Participants (WWP)
ODCSOPS	Office of the Deputy Chief of Staff for Intelligence (Army)
OES	Office of the Deputy Chief of Staff for Operations (Army)
OFCM	Office of Earth Sciences (NASA)
OGP	Office of the Federal Coordinator for Meteorology
OMB	Office of Global Programs (NOAA)
ONR	Office of Management and Budget
OPARS	Office of Naval Research
OR&F	Optimum Path Aircraft Routing System (Navy)
ORA	Operations, Research, and Facilities (NOAA/NWS)
ORAU	Office of Research and Applications (NOAA/NESDIS)
ORD	Oak Ridge Association Universities (DOE)
OSDPD	Operational Requirements Documents (Navy)
ORR	Office of Satellite Data Processing and Distribution (NOAA/NESDIS)
ORISE	Oak Ridge Reservation (DOE)
ORO	Oak Ridge Institute for Science and Education (DOE)
OSF	Oak Ridge Operations (DOE)
OSO	Operational Support Facility (NOAA)
OSTEP	Office of Satellite Operations (NOAA/NESDIS)
OTW	Ocean Systems Test and Evaluation Program (NOAA/NOS)
OTIS	Owning the Weather (Army)
OTSR	Optimum Thermal Interpolation System (Navy)
OWSE	Optimum Track Ship Routing (Navy)
	Operational World Weather Watch Systems Evaluation (WWP)
PACS	
PC	Polar Acquisition and Control Subsystem (NOAA/NESDIS)
PCGRAFX	Program Council (OFCM)
PCMDI	PC-based High Frequency Facsimile System (Navy)
PD	Program for Climate Model Diagnosis and Intercomparison (DOE)
PIBAL	Project Director (Army)
PICS	Pilot Balloon
PIREP	PC Imaging Communications System (Navy)
PMC	Pilot Report
PMEL	Program Management Committee (NOAA)
PNNL	Pacific Marine Environmental Laboratory (NOAA/ERL)
POM	Pacific Northwest National Laboratories (DOE)
POPS	Princeton Ocean Model (Navy)
PORTS	Primary Oceanographic Prediction System (Navy)
PSDA	Physical Oceanographic Real-Time System (NOAA/NOS)
PUP	Post-Storm Data Acquisition (OFCM)
	Principal User Processor
QPF	
	Quantitative Precipitation Forecast (NOAA/NCEP)
R&D	
	Research and Development

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RAFC	Regional Area Forecast Center (WWP)
RAMDIS	RAMM Branch Advanced Meteorological Satellite Demonstration and Interpretation System (NOAA/NESDIS)
RAP	Radiological Assistance Program (DOE)
RASS	Radio Acoustic Sounding System (NOAA/OAR)
RAWS	Remote Automatic Weather Station (USDA/DOI)
RC	Reserve Component (DOD)
RDTE	Research and Development, Test and Evaluation (Army)
RFETS	Rocky Flats Environmental Technology Site (DOE)
RFC	River Forecast Center (NOAA/NWS)
RMTN	Regional Telecommunications Network (WWP)
RPC	Rapid Prototype Center (NOAA/SEC)
RSMC	Regional/Specialized Meteorological Centers (WWP)
RTH	Regional Telecommunications Hub (WWP)
RUC	Rapid Update Cycle (NOAA)
RVR	Runway Visual Range (FAA)
RWIS	Road Weather Information System (FHWA)
S2	Intelligence Section (Army)
SAA	Satellite Active Archive
	Snow Accumulation Algorithm (DOI/BLM)
SARSAT	Search and Rescue Satellite Aided Tracking
SBUV	Solar Backscatter Ultraviolet Instrument (NOAA/NESDIS)
SDHS	Satellite Data Handling System (AF)
SEC	Space Environmental Center (NOAA/NCEP)
SEM	Space Environment Monitor (NOAA)
SEON	Solar Electro-Optical Network (AF)
SETT	Space Environmental Technology Transition (AF)
SEU	Single event upsets (AF)
SFDF	Satellite Field Distribution Facility (NOAA/NWS)
SFMR	Stepped Frequency Microwave Radiometer
SHEBA	Surface Heat Budget of the Arctic Ocean (DOE)
SIR-C	Shuttle Imaging Radar-C (NASA)
SMDC	Space and Missile Defense Command (DOE)
SMOOS	Shipboard Meteorological and Oceanographic Observing Sensor (Navy)
SMS	Semi-Automatic Meteorological Station (Army)
SNL	Sandia National Laboratory (DOE)
SNOTEL	Snow Telemetry (USDA)
SOCC	Satellite Operations Control Center (NOAA/NESDIS)
SODAR	Sound Detection and Ranging (DOE)
SOF	Special Operations Forces (Army)
SOFWOC	Special Operations Forces Weather Operations Center (AF)
SOLAS	Safety of Life at Sea (NOAA/NCEP)
SORD	Special Operations and Research Division (NOAA/ARL)
SPAWARS	Space and Naval Warfare Systems Command
SPC	Storm Prediction Center (NOAA/NCEP)
SPECI	Aviation Selected Special Weather Report
SPOSC	Shared Processing Operations Steering Committee
SR	Savannah River (DOE)
SRBL	Solar Radio Burst Locator (AF)
SRS	Savannah River Site (DOE)
SSU	Stratospheric Sounding Unit (NOAA)
STIWG	Satellite Telemetry Interagency Working Group (OFCM)
STP	Solar-Terrestrial Physics
STT	Small Tactical Terminal (AF)
SWE	Snow Water Equivalent (DOI/BUREC)
SWIM	Solar Wind Interplanetary Measurements (AF)

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SWO	Staff weather officer
SXI	Solar X-Ray Imager (AF)
T2	Technology transfer
TAF	Aerodrome Forecast
TAO	Tropical Atmosphere Ocean
TACWX	Tactical weather (DOD)
TAWS	Tactical Acquisition Weather Software (AF)
TDA	Tactical Decision Aid (Army)
TDWR	Terminal Doppler Weather Radar (FAA)
TEA-21	Transportation Equity Act for the 21st Century (FHWA)
TEC	Topographic Engineering Center (Army)
TECOM	Test and Evaluation Command (Army)
TED	Total Electron Detector (NOAA/NESDIS)
TESS	Tactical Environmental Support System (Navy)
TF	Terminal Forecast
TFS	Tactical Forecast System (AF)
TIROS	Television Infrared Observation Satellite (NOAA/NESDIS)
TMI	TRMM Microwave Imager (NASA)
TOC	Tactical Operations Center (Army)
TOE	Table of Organization and Equipment (Army)
TOFS	Tactical Observing and Forecasting System (AF)
TOGA	Tropical Ocean and Global Atmosphere
TOMS	Total Ozone Mapping Spectrometer (NASA)
TOPEX	Topography Experiment (NASA)
TOVS	TIROS N Operational Vertical Sounder (NOAA/NESDIS)
TPC	Tropical Prediction Center (NOAA/NCEP)
TRACON	Terminal Radar Approach Control (FAA)
TRADOC	Training and Doctrine Command (Army)
TRMM	Tropical Rainfall Measuring Mission (NASA)
TWP	Tropical Western Pacific (DOE)
TWR	Tactical Weather Radar (AF)
UARS	Upper Atmosphere Research Satellite (NASA)
UAV	unmanned/uncrewed aerial vehicle (Army/NASA)
UCAR	University Corporation for Atmospheric Research
UN	United Nations
UNEP	United Nations Environment Program (WWP)
USA	U.S. Army
USAES	U.S. Army Engineer School
USAF	U.S. Air Force
USAFAS	U.S. Army Field Artillery School
USAIC&FH	U.S. Army Intelligence Center & Fort Huachuca
USAKA	U.S. Army Kwajalein Atoll
USAR	U.S. Army Reserve
USAREUR	U.S. Army Europe
USARIEM	U.S. Army Research Institute of Environmental Medicine
USARPAC	U.S. Army Pacific
USARSO	U.S. Army South
USASMD	U.S. Army Space and Missile Defense Command
USASOC	U.S. Army Special Operations Command
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
USHCN	U.S. Historical Climatology Network
USIABP	U.S. Interagency Arctic Buoy Program (NOAA/NESDIS)
USMC	U.S. Marine Corps

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USN	U.S. Navy
USWRP	U.S. Weather Research Program
UTC	Coordinated Universal Time (Zulu)
UV	Ultraviolet
VA	Volcanic Ash
VAS	VISSR Atmospheric Sounder
VCI/TCI	Vegetation and Temperature Condition Indices
VCP	Voluntary Cooperation Program
VIRS	Visible and Infrared Scanner (NASA)
VISSR	Visible and Infrared Spin Scan Radiometer
VOS	Voluntary Observing Ship (WWP)
WAFC	World Area Forecast Center (WWP)
WAFS	World Area Forecast System (WWP)
WAM	Wave model (Navy)
WAOB	World Agricultural Outlook Board (USDA)
WARP	Weather and Radar Processor (FAA)
WDC	World Data Center (WWP)
WEFAX	Weather Facsimile
WES	Waterways Experiment Station (Army)
WETM	Weather Team (DOD)
WFMIS	Wildland Fire Management Information Site (DOI)
WFO	Weather Forecast Office (NOAA/NWS)
WG	Working Group
WIDA	Weather Impact Decision Aids (AF)
WINDS	Weather Information and Display System (DOE)
WIST	Weather Information for Surface Transportation (FHWA)
WMC	World Meteorological Center(s) (WWP)
WMO	World Meteorological Organization
WMSCR	Weather Message Switching Center-Replacement (FAA)
WOCE	World Ocean Circulation Experiment
WPDN	Wind Profile Demonstration Network (NOAA)
WRD	Water Resources Division (DOI/USGS)
WSC	Warfighting Support Center (Navy)
WSFO	Weather Service Forecast Office (NOAA/NWS)
WSMO	Weather Service Meteorological Office (NOAA/NWS)
WSMR	White Sands Missile Range (Army)
WSO	Weather Service Office (NOAA/NWS)
WSP	Weather Systems Processor (FAA)
WSR-88D	Weather Surveillance Radar-1988 Doppler (NEXRAD)
WST	Weather Support Team (Army)
WSU	Weather Support Unit (AF)
WWP	World Weather Program
WWW	World Weather Watch (WMO)
	World wide web